

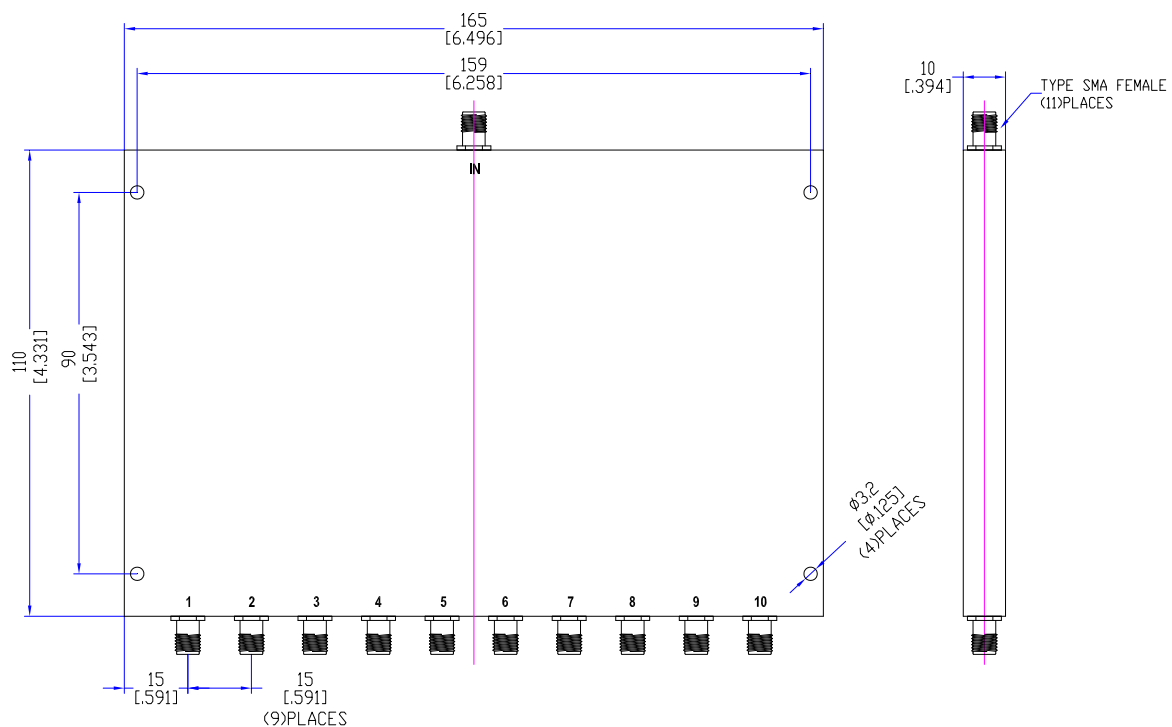
## Model TPD1530A10

### Features

Excellent phase & amplitude balance  
 Low Insertion Loss & VSWR  
 High Isolation

Technical Data Sheet			
Frequency Range	1.5 ~ 3GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.2dB (Above 10.0dB Split)	Connector Body	Passivated Stainless Steel
VSWR	Input ≤1.50:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.6dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±6°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤30Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	410g
Port Connectors	SMA-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.

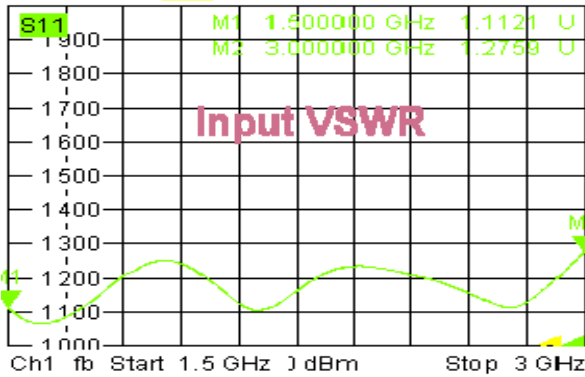


## Typical Performance

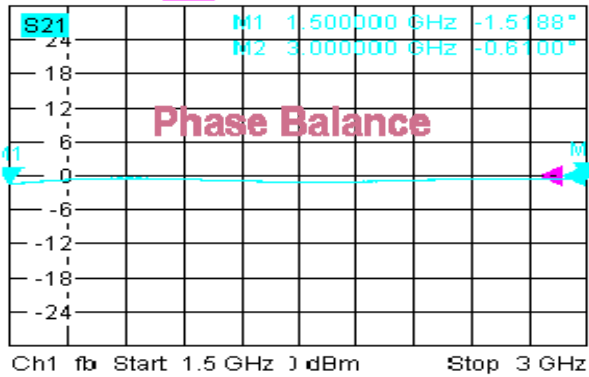
### 1. Insertion Loss, Amplitude & Phase Balance, VSWR



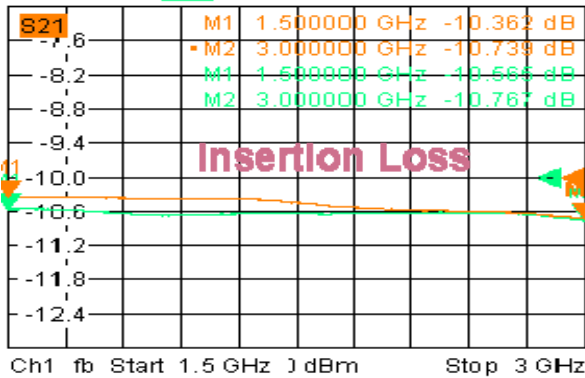
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal Invis



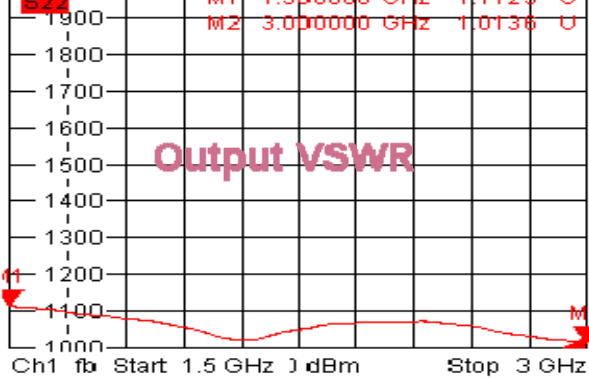
Trc2 Mem6[Trc2] **S21** Phase 6° / Ref 0° Cal Math Invisible



Trc3 Mem7[Trc3] **S21** dB Mag 0.6 dB / Ref -10 dB



Trc4 **S22** SWR 100 mU/ Ref 1 U Cal 4

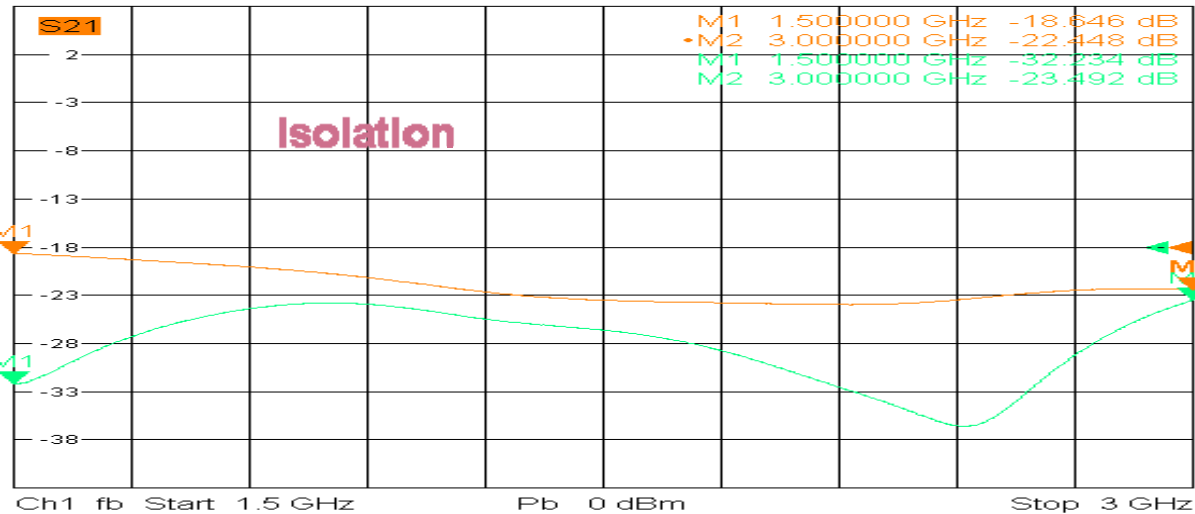


5/9/2019, 3:15 AM

### 2. Insertion Loss



Trc3 Mem7[Trc3] **S21** dB Mag 5 dB / Ref -18 dB Cal 3 (Max)



5/9/2019, 3:17 AM

